

PATENT

Application No. 10/821,818
Attorney Docket No. 067441-5013-US
Former Docket No. A-69466-5; 470900-00025

In the Abstract:

Please replace the abstract beginning on page 52 with the following rewritten abstract:

-- A method ~~[[of designing fold lines in sheet material]]~~ includes ~~[[the steps]]~~ defining ~~[[the]]~~ a desired fold line ~~[[in a parent plane on a drawing system]]~~ in sheet material, and populating the fold line with a fold geometry including ~~[[a series of]]~~ cut zones that define ~~[[a series of]]~~ connected zones, ~~[[configured and positioned relative to the fold line]]~~ whereby upon folding the material ~~[[along the fold line]]~~ produces edge-to-face engagement of the material on opposite sides of the cut zones. Alternatively, the method ~~[[may include the steps]]~~ includes storing ~~[[a plurality of]]~~ cut zone configurations and connected zone configurations, ~~[[having differing dimensions and/or shapes,]]~~ defining a desired fold line, ~~[[in a parent plane on a drawing system,]]~~ selecting a ~~[[preferred]]~~ cut zone and/or a ~~[[preferred]]~~ connected zone, ~~[[which have a desired shape and scale,]]~~ locating a preferred fold geometry, including the cut zone and the connected zone, along the fold line, ~~[[the preferred fold geometry including the selected cut zone and the selected connected zone,]]~~ and relocating, rescaling and/or reshaping the preferred fold geometry to displace, add and/or subtract at least one of the connected zones, whereby upon folding the material ~~[[along the fold line]]~~ produces edge-to-face engagement of the material on opposite sides of the cut zones. ~~[[A]]~~ Also, a computer program product and a system configured for implementing the method, [[of designing fold lines in sheet material is also disclosed.]]--